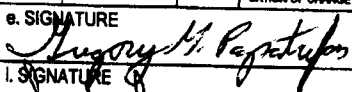



ENGINEERING CHANGE PROPOSAL (ECP), PAGE 1					1. DATE (YYMMDD) 20030425		Form Approved OMB No. 0704-0188	
<small>Public reporting burden for this collection of information is estimated to average 2 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188) Washington, DC 20503.</small> PLEASE DO NOT RETURN YOUR COMPLETED FORM TO EITHER OF THESE ADDRESSES. RETURN COMPLETED FORM TO THE GOVERNMENT ISSUING CONTRACTING OFFICER FOR THE CONTRACT/PROCURING ACTIVITY NUMBER LISTED IN ITEM 2 OF THIS FORM.								
4. ORIGINATOR			b. ADDRESS (Street, City, State, Zip Code)			5. CLASS OF ECP		
a. TYPED NAME (First, Middle Initial, Last) Douglas A. Lincoln			TACOM-ARDEC, AMSTA-AR-FSA-RF ROCK ISLAND, IL. 61299-7300			I		
8. ECP DESIGNATION			6. JUST. CODE			7. PRIORITY		
a. MODEL/TYPE M67			b. CAGE CODE 19200			D		
c. SYSTEM DESIGNATION M67 GRENADE			9. BASELINE AFFECTED			R		
d. ECP NO. DL20030425			e. TYPE F			10. OTHER SYS./CONFIG. ITEMS AFFECTED		
			f. REV			FUNCTIONAL <input checked="" type="checkbox"/> PRODUCT ALLOCATED YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		
11. SPECIFICATIONS AFFECTED					12. DRAWINGS AFFECTED			
	CAGE Code	Specification/Document No.	Rev.	SCN	CAGE Code	Number	Rev.	NOR
a. SYSTEM		MIL-G-14933A Amd 3						
b. DEVELOPMENT		DTL9235210						
c. PRODUCT		DTL8822131						
13. TITLE OF CHANGE								
Update Fuze and Grenade documents to reflect latest requirements and implementation of new AXI X-Ray equipment at MEI.								
14. CONTRACT NO. LINE ITEM DAAA09-02-C-0012 & DAAA09-99-G-0004 DO0022					15. PROCURING CONTRACTING OFFICER			
					a. NAME (First, Middle Initial, Last) Melanie Johnson & Gene Harrison			
					b. CODE			
16. CONFIGURATION ITEM NOMENCLATURE GRENADE ASSY M67 & M213/M228 Fuze					c. TELEPHONE NO. EXT 23815 & 23191			
18. ALL LOWER LEVEL ITEMS AFFECTED					17. IN PRODUCTION			
a. NOMENCLATURE GRENADE ASSY M67 & M213/M228 Fuze					X YES <input type="checkbox"/> NO			
b. PART NO. MIL-G-14933					c. NSN			
19. DESCRIPTION OF CHANGE								
Added to DTLs and MILSPEC the definition of a void by describing an acceptable minimum size which does not allow the fuze delay time to go below the safe time of 4.0 seconds.								
20. NEED FOR CHANGE								
This change allows for the use of new automatic Digital X-Ray Inspection equipment produced by AXI and installed at MEI. The equipment detects casting voids presence in the zinc body, normally up to .03" in diameter, that was previously not detectable. Without some allowable void size, all product manufactured by MEI would be rejected. Phase I and II testing and testing at AXI, performed in partnership between MEI and the Government was utilized to arrive at this new void size standard. (For further detail see attached reports.)								
21. PRODUCTION EFFECTIVITY BY SERIAL NUMBER N/A					22. EFFECT ON PRODUCTION DELIVERY SCHEDULE N/A			
23. RETROFIT								
a. RECOMMENDED ITEM EFFECTIVITY N/A					b. SHIP / VEHICLE CLASS AFFECTED N/A			
c. ESTIMATED KIT DELIVERY SCHEDULE N/A					d. LOCATIONS OR SHIP / VEHICLE NUMBERS AFFECTED N/A			
24. ESTIMATED COSTS / SAVINGS UNDER CONTRACT N/A					25. ESTIMATED NET TOTAL COSTS / SAVINGS N/A			
26. SUBMITTING ACTIVITY					b. TITLE			
a. AUTHORIZED SIGNATURE					ELECTRONICS ENGINEER			
27. APPROVAL / DISAPPROVAL								
a. CLASS I			b. CLASS II			c. CLASS II		
<input checked="" type="checkbox"/> APPROVAL RECOMMENDED <input type="checkbox"/> DISAPPROVAL RECOMMENDED			<input type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED			<input type="checkbox"/> CONCUR IN CLASSIFICATION OF CHANGE <input type="checkbox"/> DO NOT CONCUR IN CLASSIFICATION OF CHANGE		
d. GOVERNMENT ACTIVITY TACOM-ARDEC, Rock Island, IL. 61299-7300					e. SIGNATURE 		f. DATE SIGNED (YYMMDD) 03 05 08	
g. APPROVAL		h. GOVERNMENT ACTIVITY			i. SIGNATURE		j. DATE SIGNED (YYMMDD)	
<input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> DISAPPROVED		as noted OPM-CCS					2003 05 08	

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5. CAGE CODE 19200		6. NOR NO. 0001																															
7. CAGE CODE 19200		8. DOCUMENT NO. DTL 8822131																															
9. TITLE OF DOCUMENT DETAIL SPEC FUZE, HAND GRENADE M213		10. REVISION LETTER a. CURRENT -																															
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13. DESCRIPTION OF REVISION DTL 9235210, DATED 6 AUG 2001 & Outstand ECP R2G3003 PAGE 41, ADD THE FOLLOWING: 6.13 VOID OR CRACK (CRITICAL DEFECT). This characteristic applies to the delay composition after it has been loaded in accordance with note 2 of drawing 9235210. When using Automated Inspection Equipment this Critical I Defect is defined by any inclusion in the stem or in the threaded region of the Fuze Body, drawing 8822132 greater than the following. NOTE: Advanced X-Ray Incorporated System Model Number MA-6R, with Software version fuze inspector version 1.6 or higher has been used to properly detect these defects with setting of 460 pixels max in stem area and 1200 pixels in the threaded area. Maximum Acceptable Size of a Void/Crack in Delay Composition anywhere below the threaded area of the fuze body (In Fire Stem) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DESCRIPTION</th> <th>SIZE</th> <th>UNITS</th> </tr> </thead> <tbody> <tr> <td>Area of 460 Pixels</td> <td>.0010</td> <td>Square Inches</td> </tr> <tr> <td>Area of a Rectangle</td> <td>.0010</td> <td>Square Inches (Approximately a .031" X .031" Rectangle)</td> </tr> <tr> <td>Area of a Triangle</td> <td>.0010</td> <td>Square Inches (Approximately a .04" X .05" Triangle)</td> </tr> <tr> <td>Area of a Circle</td> <td>.0010</td> <td>Square Inches (Approximately a .0353" Diameter Circle)</td> </tr> </tbody> </table> Maximum Acceptable Size of a Void/Crack in Delay Composition anywhere in the threaded area of the fuze body (Above Fire Stem) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>DESCRIPTION</th> <th>SIZE</th> <th>UNITS</th> </tr> </thead> <tbody> <tr> <td>Area of 1200 Pixels</td> <td>.0026</td> <td>Square Inches</td> </tr> <tr> <td>Area of a Rectangle</td> <td>.0026</td> <td>Square Inches (Approximately a .051" X .051" Rectangle)</td> </tr> <tr> <td>Area of a Triangle</td> <td>.0026</td> <td>Square Inches (Approximately a .072" X .072" Triangle)</td> </tr> <tr> <td>Area of a Circle</td> <td>.0026</td> <td>Square Inches (Approximately a .0571" Diameter Circle)</td> </tr> </tbody> </table>				DESCRIPTION	SIZE	UNITS	Area of 460 Pixels	.0010	Square Inches	Area of a Rectangle	.0010	Square Inches (Approximately a .031" X .031" Rectangle)	Area of a Triangle	.0010	Square Inches (Approximately a .04" X .05" Triangle)	Area of a Circle	.0010	Square Inches (Approximately a .0353" Diameter Circle)	DESCRIPTION	SIZE	UNITS	Area of 1200 Pixels	.0026	Square Inches	Area of a Rectangle	.0026	Square Inches (Approximately a .051" X .051" Rectangle)	Area of a Triangle	.0026	Square Inches (Approximately a .072" X .072" Triangle)	Area of a Circle	.0026	Square Inches (Approximately a .0571" Diameter Circle)
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